



MAP EXPLANATION

Recently-active fault. Solid line indicates accurately located; dashed line, approximately located; short dash, inferred; dotted where concealed; query indicates additional uncertainty. Hachures indicate direction scarp faces.

Annotation outlined in green from Herd, et al (1977)

Trench location, indicating orientation and length. Trench less than 100 feet long indicated by X. Red line indicates recently active faults (classified by consultant), showing approximate orientation (see text for discussion).

Geomorphic features indicative of fault recency and/or location, based on air photo interpretation by Bryant (this report).

- | | |
|--|--|
| bfs - back-facing scarp | n - notch |
| b - bench | pa - ponded alluvium |
| cd - closed depression | s - saddle |
| dd - deflected or offset drainage | sb - sidehill bench |
| (rl: right-lateral sense, ll: left-lateral sense, v: vertical sense) | + - tonal lineament or vegetation contrast |
| lr - linear ridge | tr - trough |

① Fault is well-defined (Hart, 1980).

② Fault is not well-defined

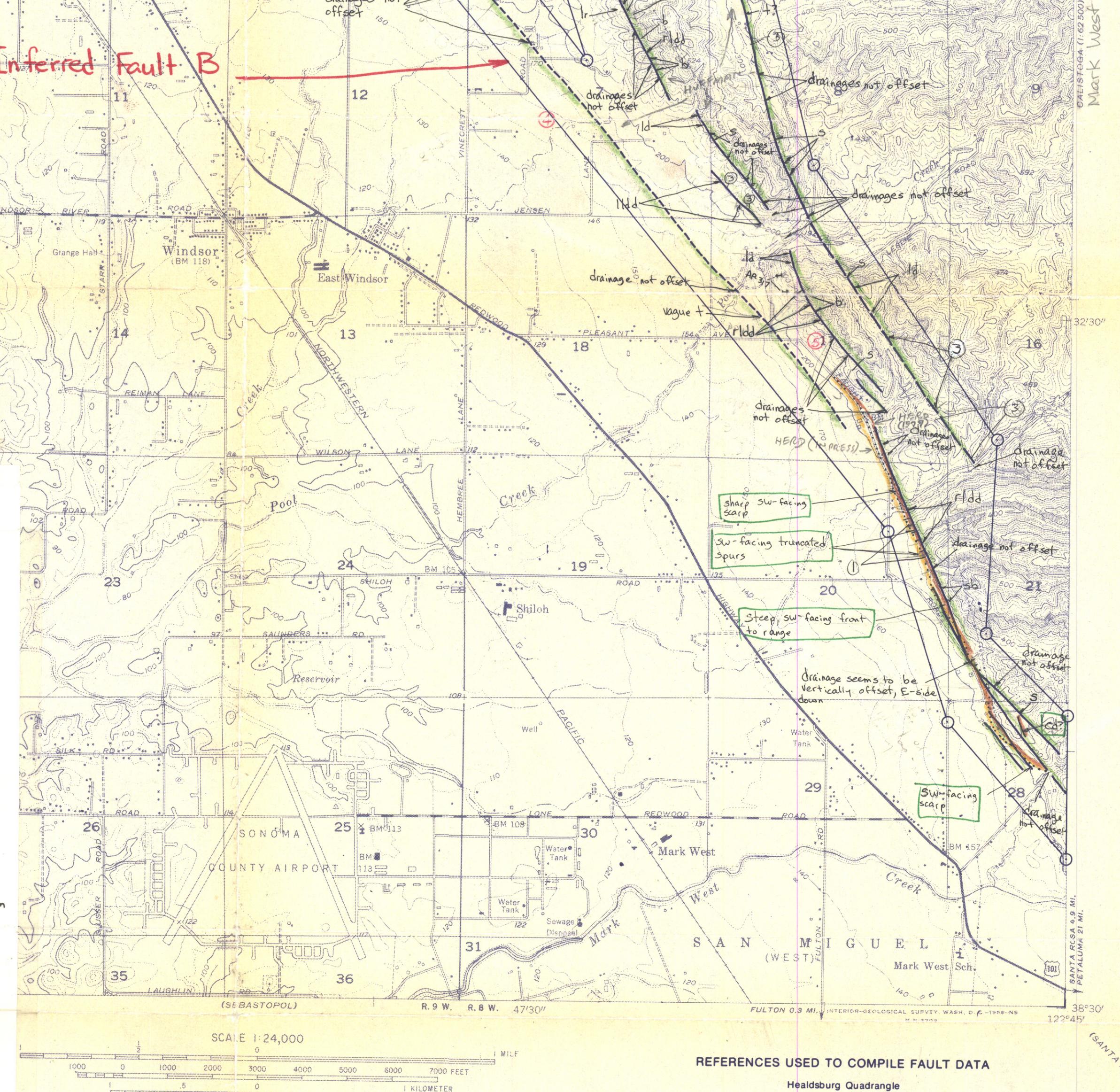
③ Fault may be well-defined, (e.g. erosion or resistant beds) but there is no geomorphic evidence of late-Quaternary activity.

⑤ Locality description referred to in text.

Sources of fault traces

- Huffman & Armstrong (1980)
- Herd, et al (1977)
- Herd (in press)
- Bryant (this report)

Figure 2b (to FER-135). Faults in the Healdsburg quadrangle zoned for special studies in 1976. Additional fault traces by Herd, et al (1977), and Herd (in press) are also depicted, along with air photo interpretation by Bryant (this report).



REFERENCES USED TO COMPILE FAULT DATA

Healdsburg Quadrangle

Huffman, M. E., and Armstrong, C. F., In press, Geology for planning in Sonoma County, California: California Division of Mines and Geology Special Report 120.

STATE OF CALIFORNIA SPECIAL STUDIES ZONES

Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code

HEALDSBURG QUADRANGLE

OFFICIAL MAP

Effective: January 1, 1976

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IMPORTANT - PLEASE NOTE

- 1) This map may not show all potentially active faults, either within the special studies zones or outside their boundaries.
- 2) Faults shown are the basis for establishing the boundaries of the special studies zones.
- 3) The identification of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
- 4) Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.